BRUHATH BANGALORE MAHANAGARA PALIKE

DASARHALLI ZONE

DIVISION:- DASARAHALLI DIVISION

"FIRST AND FINALBILL"

NAME OF WORK: Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

Estimated Cost: 30.00 Lakhs

P code: P3298

Jobcode: 012-19-000025

BRUHATH BANGALORE MAHANAGARA

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per					
	Foundation	2	17.82	1.05	1.05	39.29
		2	13.00	1.05	1.05	28.67
	Column footing	12	2.50	2.50	2.50	187.50
	security room	2	3.60	1.00	1.05	7.56
		2	3.30	1.00	1.05	6.93
	Sump tank	1	3.50	2.50	2.50	21.88
	Toilet	1	4.00	0.75	0.75	2.25
						294.07
	deduction of column footing	12	2.50	1.00	1.05	31.50
					Total	**262.57**
	Say Limited to Tendered Qty					**262.47**
						Cum

Assistant Engineer 29/04/2020
Ward No.12
BBMP, Bengaluru

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per					
	foundation	2	17.82	1.05	0.15	5.61
		2	13.00	1.05	0.15	4.10
	Column footing	12	2.50	2.50	0.20	15.00
	security room	2	3.60	1.00	0.15	1.08
		2	3.30	1.00	0.15	0.99
	Sump tank	1	3.50	2.50	0.20	1.75
	for flooring	1	15.65	10.70	0.15	25.12
	for room	1	3.65	3.30	0.15	1.81
	Building all round	2	16.50	1.00	0.15	4.95
		2	13.00	1.00	0.15	3.90
	Toilet	1	4.00	0.75	0.15	0.60
				Total		64.90
	deduction of column footing	12	2.50	1.05	0.15	4.73
					Total	**60.18**
	Say Limited to Tendered Qty					57.49
						Cum

Assistant Engineer 02/05/2020
Ward No.12
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Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
3	Providing and constructing granite /trap/ basalt size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications					
	Shead 1st Footing	2	16.55	0.90	0.45	13.41
		2	11.74	0.90	0.45	9.51
	2nd Footing	2	16.55	0.75	0.45	11.17
		2	11.74	0.75	0.45	7.92
	Room 1st Footing	2	3.60	0.90	0.45	2.92
		2	3.30	0.75	0.45	2.23
	2nd Footing	2	3.60	0.75	0.45	2.43
		2	3.30	0.75	0.45	2.23
	Toilet	1	4.00	0.75	0.40	1.20
		1	4.00	0.60	0.20	0.48
						53.49
	Deduct For Column	12	0.45	0.45	0.90	2.19
					Total	51.30
	Say Limited to Tendered Qty					48.47
						Cum

13/05/2020

Assistant Engineer
Ward No.12
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Shettyhalli Sub Divison
BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
4	Providing and constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications					
	Shead 3rd Footing	2	16.55	0.60	0.45	8.94
		2	11.74	0.60	0.45	6.34
	Room 3rdFooting	2	3.60	0.60	0.45	1.94
		2	3.30	0.60	0.45	1.78
	Toilet	1	4.00	0.45	0.40	0.72
						19.72
	Deduct For Column	12	0.45	0.45	0.45	1.09
					Total	**18.63**
	Say Limited to Tendered Qty					**17.54**
						Cum

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15/05/2020

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BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm neely lining, including cost of materials, labour, curing complete as per specifications					
	Shend	2	16.55		0.45	14.90
		2	11.74		0.45	10.57
	Room	2	3.60		0.45	3.24
		2	3.30		0.45	2.97
	Toilet	2	1.70		0.45	1.53
					Total	28.70
	Say Limited to Tendered Qty					28.08
						Sqm

Assistant Engineer
Ward No.12
BBMP, Bengaluru

16/05/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

SL No	Description of work	No	L	B	D	Qty
6	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as					
	Shead Foundation all round	4	16.55	0.45	0.90	26.81
		4	11.74	0.45	0.90	19.02
	Room	4	3.60	0.45	0.90	5.83
		4	3.30	0.45	0.90	5.35
	Column footing	12	2.50	2.50	2.50	187.50
	Toilet	1	4.00	0.75	0.75	2.25
	Shead Inside filling	1	15.65	10.70	0.40	66.98
						313.74
	deduction of column footing	12	2.50	1.00	1.05	31.50
					Total	282.24
	Say Limited to Tendered Qty					251.43
						Cum

Assistant Engineer
Ward No.12
BBMP, Bengaluru

21/05/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
7	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of					
	For Column footing	12	2.40	2.40	0.50	34.56
		12	1.00	1.00	0.75	9.00
	For Column up to Plinth	12	0.40	0.40	1.50	2.88
	Column above plinth level	12	0.40	0.23	5.60	6.05
	Plinth beam	2	16.10	0.45	0.55	7.97
		2	10.84	0.45	0.55	5.37
	Tie beams	1	54.20	0.30	0.45	7.32
		1	54.20	0.40	0.45	9.76
	Roof slab	1	4.00	3.90	0.15	2.34
	Toilet	1	3.20	1.80	0.15	0.86
	sump tank	1	3.00	2.00	0.20	1.20
	Litel for room	1	4.40	0.20	0.20	0.18
		2	3.00	0.20	0.20	0.24
	Missing cover slabs	1	26.00	0.90		23.40
	Lintel for wall	2	16.10	0.225	0.15	7.25
		2	10.84	0.225	0.15	4.88
					Total	**118.36**
	Say Limited to Tendered Qty					**114.11**
						Cum

Assistant Engineer 02/06/2020
Ward No.12
BBMP, Bengaluru

Assistant Executive Engineer 9/6
Shettyhalli Sub Divison
BBMP, Bengaluru

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
S	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications.					
	Window Chejja	2	1.20	0.60		1.44
					Total	**1.44**
						Sqm

Assistant Engineer
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02/06/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
9/6

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work		No	L	B	D	Qty
9	Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications						
	Column 1st Footing Mat Long Side	2	12	25	2.6	1560	
	Column 1st Footing Mat Short Side	2	12	25	2.6	1560	
	Column 2st Footing Mat Long Side		12	7	1.25	105	
	Column 2st Footing Mat Short Side		12	7	1.25	105	
	Column 3rdFooting Mat Long Side		12	4	3.5	168	
	Column 3rd Footing Mat Short Side		12	4	3.5	168	
						3666	
				3666	0.89		3262.74
	Column 1st Footing Stirrups		12	4	9.8	470.4	
	Column 2st Footing Stirrups		12	6	4.4	316.8	
	Column 3rdFooting Stirrups		12	24	2.2	633.6	
						1420.8	
				1420.8	0.39		554.112
	Column Main rods16 Dia 6nos		12	6	9.85	709.2	
	Plinth Main rods 16 Dia 6nos		2	6	16.10	193.2	
			2	6	10.84	130.08	
						1032.48	
				1032.48	1.58		1631.32
	Column Stirrups 8 Dia		12	60	1.55	1116	
	Plinth Stirrups 8 Dia		1	359	1.75	628.25	
						1744.25	
				1744.25	0.39		680.26
	Plinth Main rods 12 Dia 6nos	3	2	4	16.10	386.4	
		3	2	4	10.84	260.16	
						646.56	
				646.56	0.89		575.44
	Plinth Stirrups 8 Dia		2	80	0.43	68.00	
			2	72	0.43	61.92	
						129.92	
				129.92	0.39		50.67
	Security Room Plinth 16 Dia 6nos		2	6	3.80	45.6	
			1	6	3.50	21	
						66.60	
				66.60	1.58		105.23

	Security Room Plinth Stirups 8 Dia		1	74	1.75	129.5	
						129.50	
				129.50	0.39		50.51
	Security Room Roof 10 Dia 125mmc/c			30	3.80	114.0	
	10 Dia 125mmc/c			28	3.50	98.0	
						212.00	
				212.00	0.62		131.44
	Shead Flooring			80	10.80	864	
				43	16.00	688	
						1552.00	
				1552.00	0.62		962.24
						Total	**8003.95**
							8.004
	Say Limited to Tendered Qty						***7.99***
							Tonnes

Assistant Engineer
Ward No.12
BBMP, Bengaluru
09/06/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
9/6

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
10	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification					
	Column 1stFootings	12	9.60		0.50	57.60
	Column 2ndFootings	12	4.00		0.75	36.00
	Column 3rdFootings	12	1.60		1.50	28.80
	Column above plinth level	12	1.36		5.60	91.39
		12	1.36		4.26	69.45
					Total	**283.24**
	Say Limited to Tendered Qty					**283.20**
						Sqm

Assistant Engineer
Ward No.12
BBMP, Bengaluru
09/06/2020.

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
9/6

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
11	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification					
	Plinth beam	2	54.20		0.30	97.56
		2x2	54.20		0.40	86.72
					Total	**184.28**
						Sqm

Assistant Engineer
Ward No.12
BBMP, Bengaluru
20/08/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
20/8

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
12	Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, labour complete as per specifications					
	Chejja	2	1.20	0.90		2.16
	Door & toilets	2	1.20	0.90		2.16
					Total	**4.32**
	Say Limited to Tendered Qty					**3.66**
						Sqm

Assistant Engineer
Ward No.12
BBMP, Bengaluru
24/08/2023

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
24/8

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl No	Description of work	No	L	B	D	Qty
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification					
	For RCC roof	1	4.90	3.80		18.62
	Toilet	1	2.60	2.20		5.72
					Total	24.34
	Say Limited to Tendered Qty					23.40
						Sqm

Assistant Engineer
Ward No.12
BBMP, Bengaluru
28/08/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
28/8

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
14	Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per specification					
	Side walls	10	2.80		5.60	156.80
	Back side wall	2	4.70		5.60	52.64
	Front side wall	2	4.70		2.50	23.50
	Gable	4	4.70		0.60	11.28
	Room	1	4.40		2.80	12.32
		2	3.00		2.80	16.80
		1	2.60		2.20	5.72
	Toilet	3	1.40		2.20	9.24
		2	3.00		2.00	12.00
		2	2.00		2.00	8.00
					Total:-	**308.30**
		2	0.90		1.20	2.16
		1	0.90		2.10	1.89
					Total:-	**4.05**
					Total	**304.25**
						Sqm

E.E. (D.D.) 24/09/2020

Assistant Engineer
Ward No.12
BBMP, Bengaluru
25/09/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
25/9

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

First and Final Bill

Measurement Recorded in :

Sl. No	Description of work	No	L	B	D	Qty
15	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as					
	Window	2	0.90	1.20		2.16
					Total	**2.16**
						Sqm

E.E. (D.D.) 28/01/2021.

Assistant Engineer
Ward No.12
BBMP, Bengaluru
29/10/2020

Assistant Executive Engineer
Shettyhalli Sub Divison
BBMP, Bengaluru
29/10

"ROYALTY STATEMENT"

NAME OF WORK: Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

Name of Work: Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

Royalty Recovery Statement

Sl No	Description of Item	Unit	Aggregate/Size stone			Sand/Gravel		
			Qty	Constant	Quantity	Qty	Constan	Quantity
1	PCC	Cum	57.49	0.89	51.17	57.49	0.46	26.45
2	M25 Concrete	Cum	114.11	0.69	78.74	114.1	0.43	49.07
3	Size Stone	Cum	66.01	1.00	66.01			
	Total				**195.91**	**Total**		**75.51**

Abstract

Sl No	Description of materials	Unit	Quantity	Rate / Cum	Amount		
1	Aggregate	Cum	195.91	126.00	24684.91		
2	Sand/Dust	Cum	75.51	138.00	10420.75		
3	Size Stone	Cum	66.01	184.00	12145.84		
				Total	**47251.50**		

29/10/2020

Assistant Engineer
Ward No.12
BBMP, Bengaluru

29/10.

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BBMP, Bengaluru